

CHALLENGES FOR THE SPATIAL DATA COMMUNITY

A STATE POLICY PERSPECTIVE

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PRESENTATION OUTLINE

- ◆ SOCIETAL TRENDS
- ◆ TRANSPORTATION TRENDS
- ◆ INSTITUTIONAL TRENDS
- ◆ TRANSPORTATION MISSION
2020
- ◆ IMPLICATIONS

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SOCIETAL AND TRANSPORTATION TRENDS

◆ SOCIETY

- ◆ Demographics
- ◆ Mobility and the Elderly
- ◆ Labor Force
- ◆ Development
- ◆ Economic Patterns

◆ TRANSPORTATION

- ◆ Travel Patterns
- ◆ Modal Pressure
- ◆ Congestion
- ◆ Safety
- ◆ Funding Shifts
- ◆ Customer Expectations

INSTITUTIONAL TRENDS

- ◆ Smaller more Diverse Work Force
- ◆ Retirement Occurring Earlier
- ◆ New workers are older workers
- ◆ Increased Use of Private Sector - Outsourcing/Privatization
- ◆ Procurement Reform
- ◆ Performance Measurement
- ◆ Shift from Building to Operating Systems

TRANSPORTATION'S FUTURE

- ◆ TRANSPORTATION WILL BE:
 - ◆ International in Scope
 - ◆ Intermodal in Form
 - ◆ Intelligent in Character
 - ◆ Inclusive in Service
- ◆ GOVERNMENT WILL BE EXPECTED TO:
 - ◆ Be accountable, responsible and limited
 - ◆ Never Forget it is the People's Money
 - ◆ Do the Right Things and Do Them Well
 - ◆ Provide Incentives for Desirable Behavior

TRANSPORTATION AGENCIES

- ◆ Will Increase Output with Smaller Workforce
- ◆ Restructure Organizations
- ◆ Streamline Processes
- ◆ Automate Activities
- ◆ Have Less Stable Workforces
- ◆ Reshape Workforces
- ◆ Focus on Asset Management
- ◆ Increase Outsourcing
- ◆ Develop Horizontal Institutional Arrangements

IMPLICATIONS FOR SPATIAL DATA COMMUNITY

- ◆ Need for Decisionmaker Awareness/Partnership
- ◆ Competitive Product
 - ◆ Quality
 - ◆ Timeliness
 - ◆ Cost
- ◆ New Tools/Visualization Technologies
- ◆ New Data Sources

IMPLICATIONS FOR SPATIAL DATA COMMUNITY

- ◆ Finding New and Innovative Financing
- ◆ Redefining the Customer
- ◆ Integration Across Functional and Modal Stovepipes
- ◆ Restaffing the Professional Community
- ◆ Assure IT and GIS Training in DOT Cultures